

ABSTRACT OF THE DISCLOSURE

An impact absorption system for a motor vehicle has a steering column with a first sleeve and a second sleeve. The first sleeve is sized to receive a portion of the second sleeve. The sleeves extend between a first mounting bracket and a
5 second mounting bracket. A piston cylinder assembly is mounted between the first and second mounting brackets. A plurality of igniters is in communication with the piston cylinder assembly. The plurality of igniters, when activated, are capable of releasing a pressurized fluid to pressurize the piston cylinder assembly. A plurality of sensors are mounted within the motor vehicle for
10 signaling the vehicle and driver conditions. A controller is in communication with the plurality of sensors and the plurality of igniters. The controller activates at least one of the plurality of igniters based on the signals from the plurality of sensors during an impact event.